

**MOLD WITH METAL OXIDE SURFACE COMPATIBLE
WITH IONIC RELEASE AGENTS**

Abstract of the Disclosure

5 A method and a system for fabricating articles made from thermoset resins
using an ionic mold release agent. The invention uses a mold having a metal oxide
surface with enhanced mold release characteristics. The release agent is applied
internally in the resin composition or externally on the metal oxide surface. The
method includes providing a mold, forming a metal oxide surface on the mold,
providing an ionic release agent, providing the acid or base conjugate of the release
10 agent at the metal oxide surface, providing a thermoset resin in the mold, and curing
the resin in the mold. A method of using float glass having a SnO₂ enriched surface,
wherein the method includes the steps of providing an ionic release agent externally
to the tin oxide surface, is also disclosed.